



maximum treating pressure of 3900 and minimum of 3500. Average injection rate 29 BPH. Instant shut in pressure was 2900, after 10 minutes shut in pressure was 2150. Bridge plug at 7847' and perforated Gravelles 7803'-7900' with 2 shots per foot. Attempted to frack but could not break down at 3900. Spotted 300 gals. 15% bromine acid injected in stages. Break formation to 6 BPH at 3900. Pressure stabilized at 700. Spotted an additional 300 gals. 15% break down acid. Reperforated 7803'-7900' with 2 shots per foot. Injected acid in stages and broke formation to 12 BPH at 1600. Sand water fracked with 40,000 gals. water containing 7% of J-111 per 1000 gals., with 1% calcium chloride and 30,000' sand. No breakdown pressure. Injected 12 BPH at 1600. Treating pressure was: Maximum 3900, Minimum 3250. The average injection rate was 36 BPH. The instant shut in pressure was 1500, and 10 minute shut in pressure was 1200. Set bridge plug at 7878', and perforated the Gravelles 7848'-7856' with 4 shots per foot. Well began kicking immediately after perforating. Shut in pressure was 600. Declined to 525 in 30 minutes. Did not frack 7848'-7856' due to definite communication in Gravelles.

Cleaned well out and began testing operations.